

PEO SHIPS WASHINGTON DC 051915Z MAR 10

UNCLASSIFIED//

PASS TO OFFICE CODES:

FM PEO SHIPS WASHINGTON DC//PMS 317//

TO COMNAVSURFLANT NORFOLK VA//N434/43/431/N43AD/N43T13/N6/N8//

COMNAVSURFOR SAN DIEGO CA//N43/N43AP/N43T/N43T1/N431/N43121/N434

/N6/N7/N8//

COMNAVSURFPAC SAN DIEGO CA//N43/N43AP/N43T/N43T1/N6/N7/N8//

COMUSFLTFORCOM NORFOLK VA//N43//

INFO CENNAENGINEERING NORFOLK VA//JJJ//

CMC WASHINGTON DC//ASM/AVN/LP/PPO//

CNO WASHINGTON DC//N85/N853//

COMAFLOATRAGRU ATLANTIC NORFOLK VA//N82//

COMAFLOATRAGRUPAC SAN DIEGO CA//N82//

AFLOATRAGRUWESTPAC YOKOSUKA JA//N82//

COMFIFTHFLT//N43//

COMMARFORCOM//G3/G4//

COMMARFORPAC//G3/G4//

COMMARFORRES//G3/G4//

COMNAVSEASYS COM WASHINGTON DC//SEA05D/SEA05M/SEA05N/SEA05P/SEA05

Z/SEA21/SEA62/SEA91//

COMPACFLT PEARL HARBOR HI//N43//

COMSECONDFLT//N43//

COMSEVENTHFLT//N43//

COMSPAWARSSYSCOM SAN DIEGO CA//PMW157/PMW160//

COMTHIRDFLT//N43//

NAVMEIDIACEN WASHINGTON DC//MC41//

NAVSHIPREPFAC AND JAPAN RMC DET SASEBO JA//S340/S1202//

NAVSHIPYD AND IMF PEARL HARBOR HI//100/200//

NAVSHIPYD AND IMF PUGET SOUND WA//100/200//

NAVSURFWARCEN CARDEROCKDIV BETHESDA MD//23/24//

NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA PA//913/92/97/9421//

PEO IWS WASHINGTON DC//IWS2/IWS6//

PEO SHIPS WASHINGTON DC//FL/FT/FT22/PMS317/PMS470/PMS470RC4/SHIP

SF//

SOUTHWEST RMC SAN DIEGO CA//40/45//

SPAWARSSYSCEN ATLANTIC CHARLESTON SC//52//

SUPSHIP GULF COAST MS//100/101/117/157/200//

MSGID/GENADMIN,USMTF,2007/PEO SHIPS PMS 317//

SUBJ/LPD 17 CLASS ADVISORY (CLAD) NR 04-10, WELL DECK OPERATION

/REQUIREMENTS REVISIONS//

REF/A/DESC:DOC-LPD 17 CLASS NEW CONSTRUCTION SHIP SPECIFICATION

/SECTION 584/-//

REF/B/DESC:DOC-S9LPD-XX-S9B-100/-/-//

REF/C/DESC:DOC-S9LCA-AA-SSM-040 VOL III REV 7/-/YMD:20080618//

REF/D/DESC:DOC-DAMAGE CONTROL BOOK VOL I AND II/-/-//

NARR/REF A IS LPD 17 CLASS NEW CONSTRUCTION SHIP SPECIFICATION THAT
DEFINES STERN GATE OPERATING MACHINERY PERFORMANCE REQUIREMENTS.

REF B IS THE LPD 17 CLASS SHIP INFORMATION BOOK (SIB) VOLUME 7 WHICH
ADDRESSES BALLASTING OPERATIONS. REF C IS THE SEAOP MANUAL FOR

LANDING CRAFT, AIR CUSHION (LCAC) WELL DECK OPERATIONS. REF D IS
THE LPD 17 CLASS DAMAGE CONTROL BOOK THAT CONTAINS BALLASTING

OPERATIONS INFORMATION REQUIRING UPDATE.//

POC/UNIT:PMS 317C/-/TEL:202-781-2909//

GENTEXT/REMARKS/1. THIS CLASS ADVISORY PROVIDES CRITICAL GUIDANCE TO

LPD 17 CLASS PERSONNEL FOR WELL DECK OPERATIONS. THIS CLASS ADVISORY LIMITS SHIP SPEED TO FOUR (4) KNOTS IN MODERATE SEAS AS DEFINED IN REF A WHEN THE LOWER STERN GATE IS DEPLOYED BEYOND THE HORIZONTAL POSITION. ADDITIONALLY, THIS CLASS ADVISORY REVISES THE REF B DEFINITION OF FLOODED WELL DECK CONDITION TO NINE (9) FEET OF WATER AT THE SILL AS STATED IN REF C.

2. BACKGROUND:

A. DURING AIR TESTING ON A LPD 17 CLASS SHIP UNDER CONSTRUCTION, AIR LEAKS WERE FOUND IN THE WELDS CONNECTING THE LOWER STERN GATE HINGE PADS WITH THE SHELL PLATING WHERE THE HINGE PADS PENETRATE THE SHELL. THE FIVE (5) CENTER HINGE PADS ARE REQUIRED TO BE MADE OF A514 GRADE STEEL. THE OTHER TEN (10) HINGE PADS ARE EH36 GRADE STEEL. INVESTIGATION REVEALED THAT A514 HINGE PADS WERE INSTALLED USING THE INCORRECT WELDING PROCEDURE. THIS INSTALLATION WAS MODELED AND ANALYZED FOR SEVERAL OPERATIONAL AND SHOCK LOAD CASES, RESULTING IN A RECOMMENDATION TO LIMIT SHIP SPEED AS STATED IN PARAGRAPH 1 UNTIL WELDS CAN BE INSPECTED AND REPAIRED.

B. IN REF B, PRINCIPAL CONDITIONS OF OPERATION, THE PARAGRAPH TITLED LANDING CRAFT UTILITY (LCU) INCORRECTLY STATES THAT LCU OPERATIONS REQUIRE A FLOODED WELL DECK THAT IS TEN (10) FEET AT THE SILL. THE PROPER WORDING SHALL STATE THAT A FLOODED WELL DECK FOR LCU OPERATIONS IS DEFINED AS NINE (9) FEET (2.75 METERS) OF WATER AT THE SILL AND 4.5 FEET (1.38 METERS) OF WATER AT THE RAMP.

3. ACTION:

A. SHIP'S FORCE SHALL CREATE A TEMPORARY STANDING ORDER THAT LIMITS SHIP SPEED AS STATED IN PARAGRAPH 1.

B. PMS 317/470 SHALL WORK WITH THE NGSB PLANNING YARD TO ENSURE THAT STERN GATE HINGE PADS ARE MADE OF THE CORRECT MATERIAL AND CORRECTLY INSTALLED IN ALL LPD 17 CLASS SHIPS.

C. THE ISEA SHALL REVISE REFS B AND D TO CORRECT DIFFERENCES NOTED IN PARAGRAPH 2B AND PROVIDE IN-SERVICE UNITS UPDATED SIB AND DC BOOK.

4. FOR COMUSFLTFORCOM/COMNAVSURFOR: RECOMMEND ALL LPD 17 CLASS SHIPS BE TASKED TO ADHERE TO THIS CLASS ADVISORY.

5. THIS CLASS ADVISORY SHALL REMAIN IN EFFECT UNTIL THE ACTIONS STIPULATED IN PARAGRAPH 3 ARE COMPLETED OR THIS MESSAGE IS SUPERSEDED/CANCELED BY THE ORIGINATOR.

6. THE TECHNICAL POINT OF CONTACT FOR STERN GATE OPERATIONS IS SEA05Z43, TEL:202-781-4165.//